

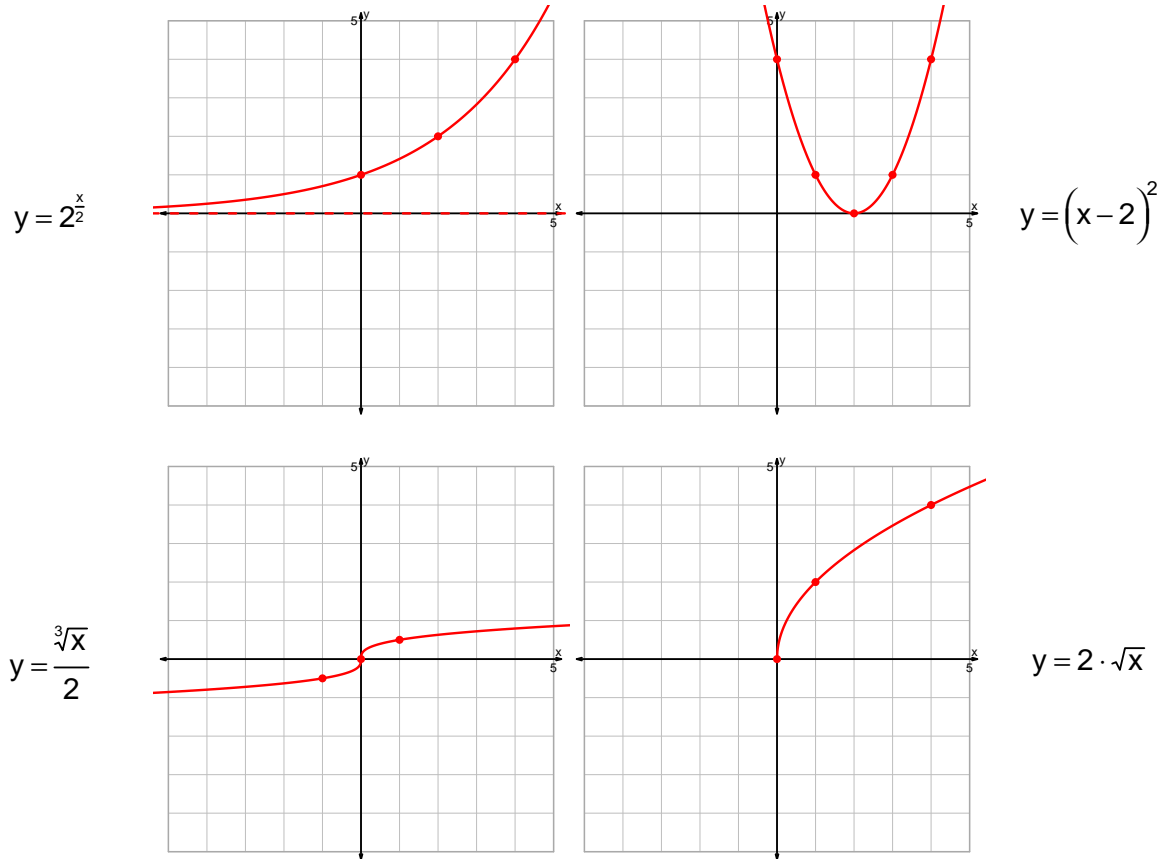
NAME:

DATE:

Unit-2 Reduced Mastery Assessment (version 317)

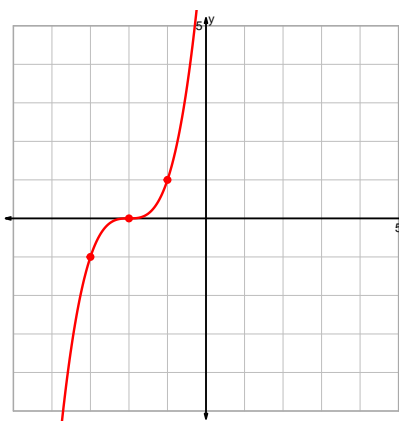
Question 1 (20 points)

Graph the equations accurately. For each integer-integer point on the parent, indicate the corresponding point precisely. Also, with dashed lines, indicate any asymptotes.

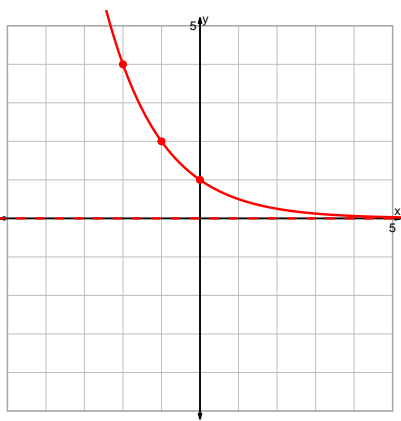


Question 2 continued...

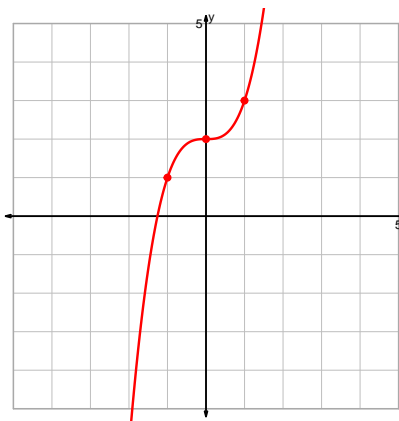
$$y = (x+2)^3$$



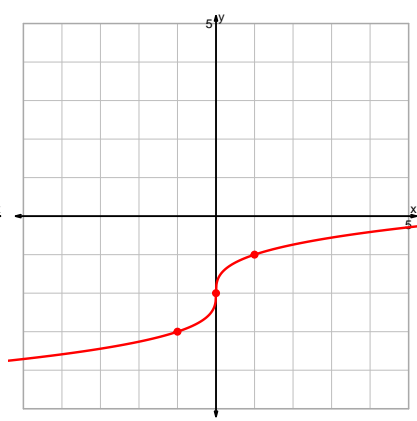
$$y = 2^{-x}$$



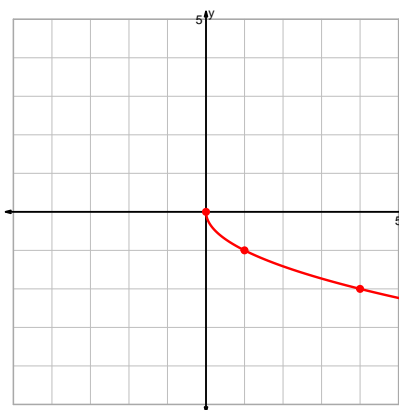
$$y = x^3 + 2$$



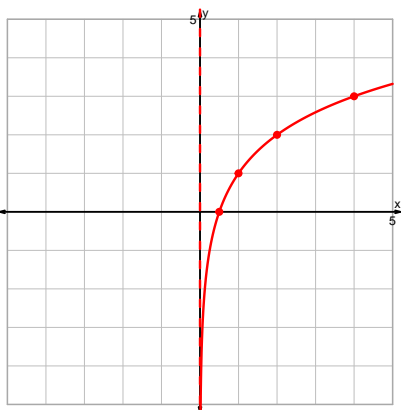
$$y = \sqrt[3]{x} - 2$$



$$y = -\sqrt{x}$$

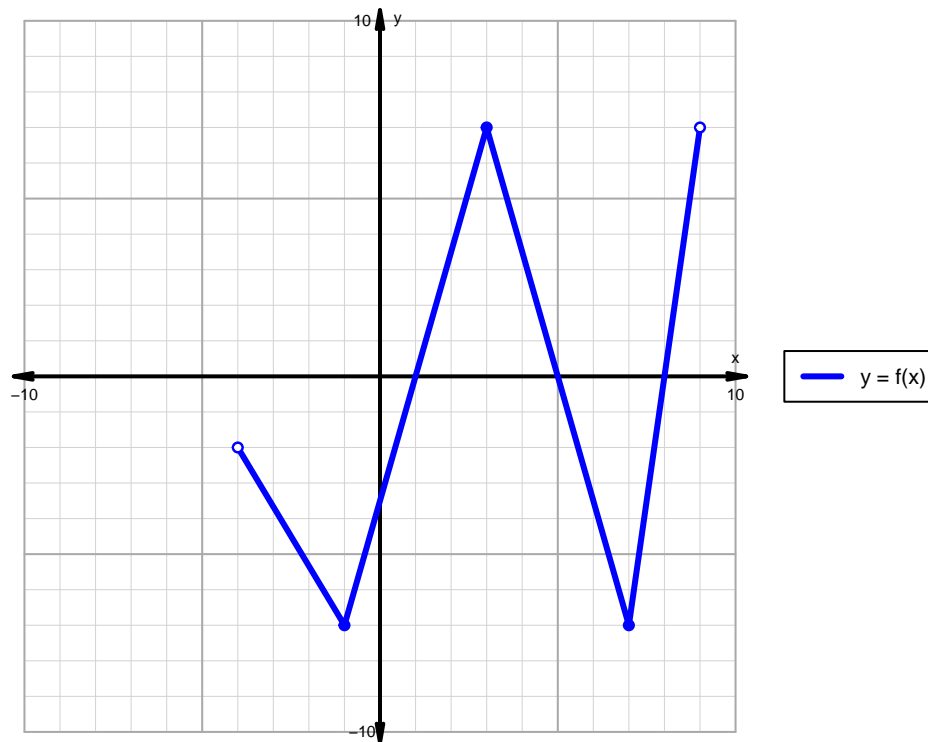


$$y = \log_2(2x)$$



Question 2 (20 points)

A function is graphed below.



Indicate the following intervals using interval notation.

Feature	Where
Positive	$(1, 5) \cup (8, 9)$
Negative	$(-4, 1) \cup (5, 8)$
Increasing	$(-1, 3) \cup (7, 9)$
Decreasing	$(-4, -1) \cup (3, 7)$
Domain	$(-4, 9)$
Range	$(-7, 7)$